

FIG. 1

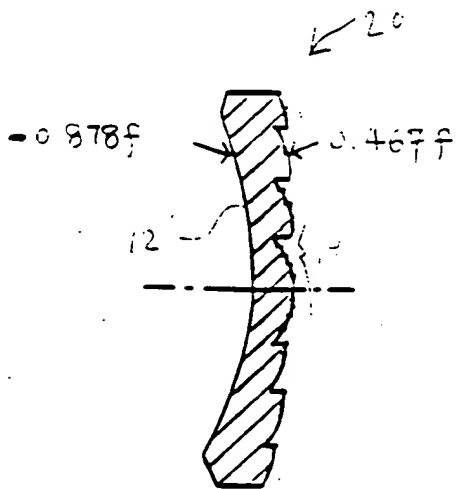


FIG. 2A

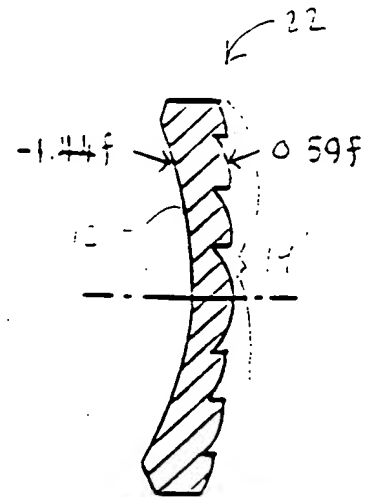


FIG. 2B

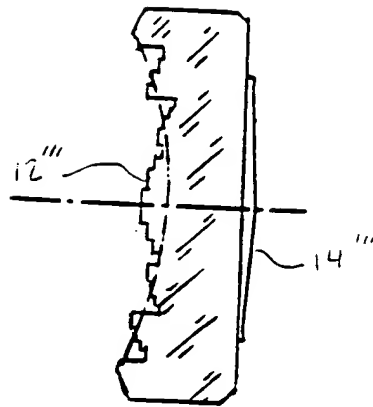


FIG. 3

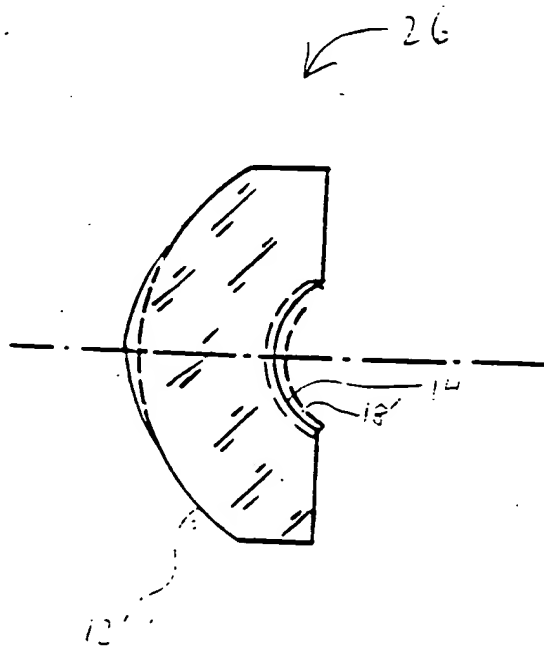


FIG. 4

03442750

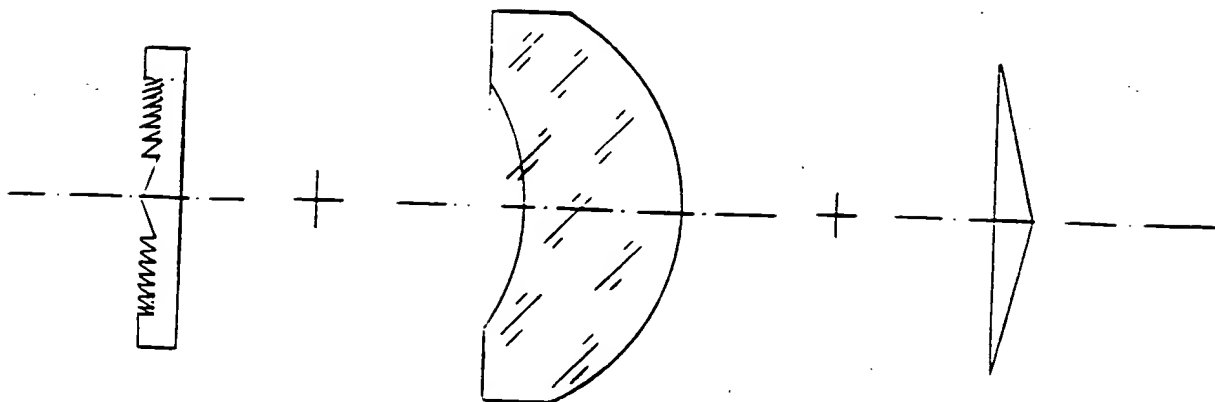


FIG. 5A

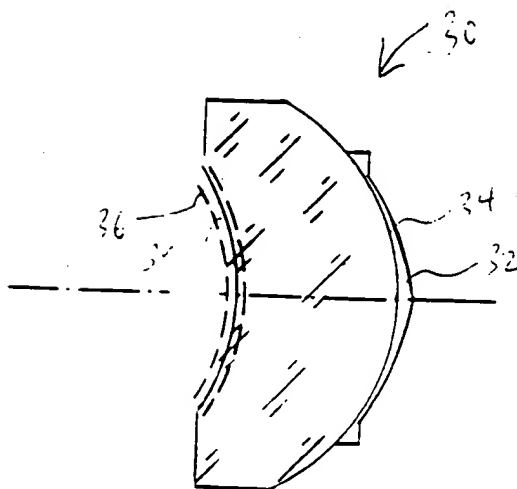


FIG. 5B

09551272 044200

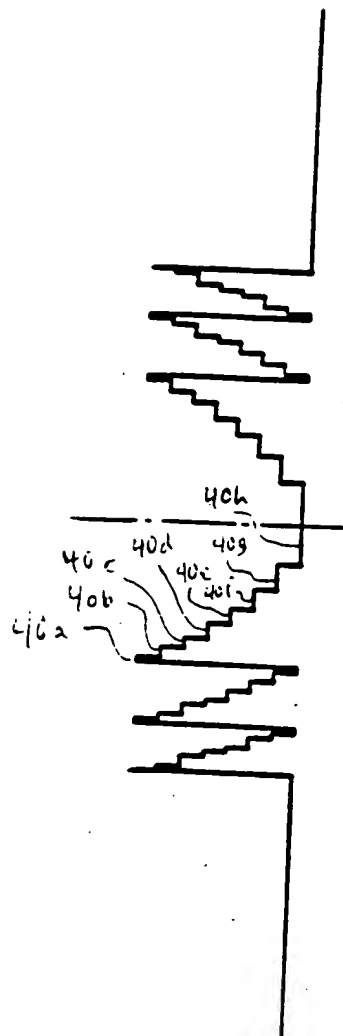


FIG 6

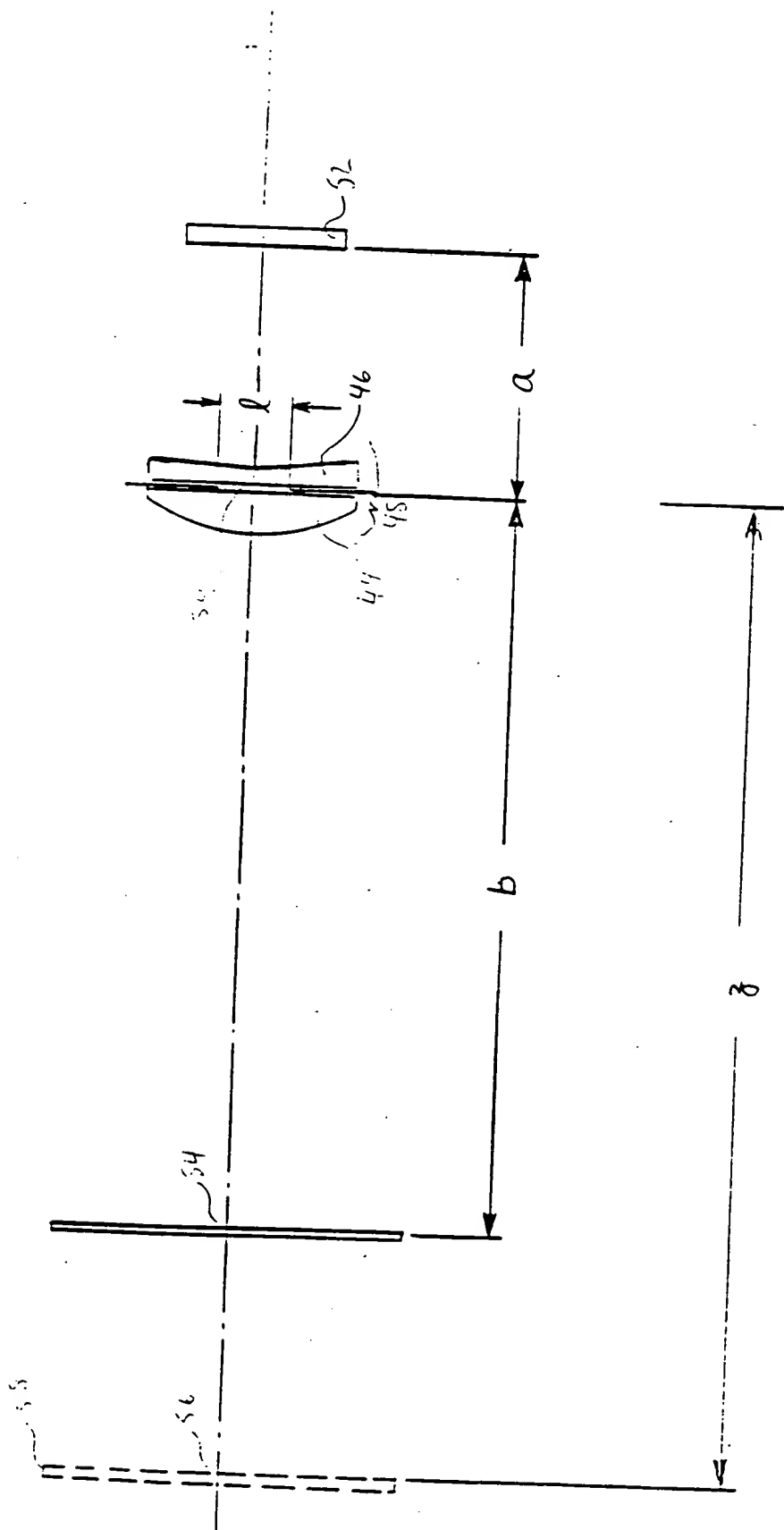


FIG. 8

CCD			
10mil Symbols	MTF1 _α	MTF2 _α	MTF3 _α
z (inch)			
2.662	0.4	0.15	-0.2
3.669	0.59	0.25	-0.2
5.264	0.72	0.42	-0.18
6.725	0.64	0.44	-0.1
9.309	0.35	0.5	0.01
11.523	0.19	0.4	0.05
15.118	0.08	0.25	0.05
21.974	0.03	0.04	0.07
24.618	0	0	0
α = 0 α = -0.0003 α = -0.001			
20mil Symbols	MTF1 _β	MTF2 _β	MTF3 _β
z (inch)			
2.662	0.75	0.65	0.3
3.669	0.8	0.7	0.25
5.264	0.85	0.72	0.15
6.725	0.82	0.75	0.08
9.309	0.65	0.74	-0.06
11.523	0.48	0.7	-0.06
15.118	0.22	0.56	-0.03
21.974	0.03	0.35	0.06
40.208	0.05	0.02	0
49.236	0	0	0
α = 0 α = -0.0003 α = -0.001			

MTF as a function of z and alpha, 10mil symbol

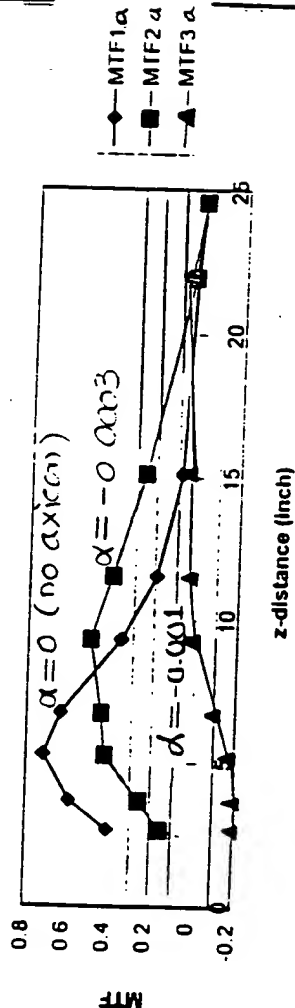


Fig 9A

MTF as a function of z and alpha, 20mil symbol

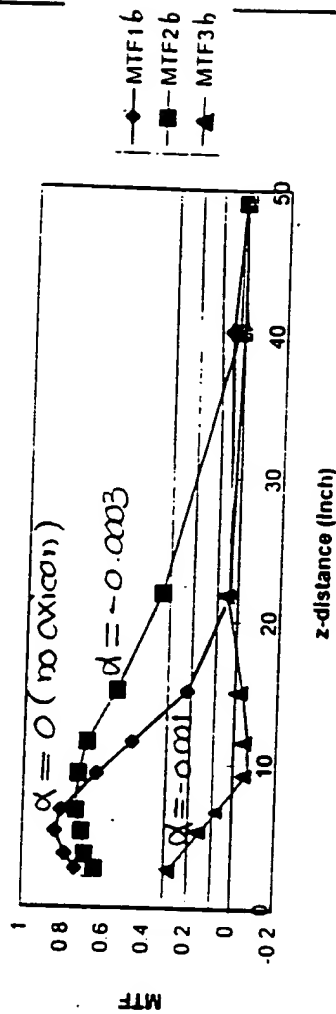
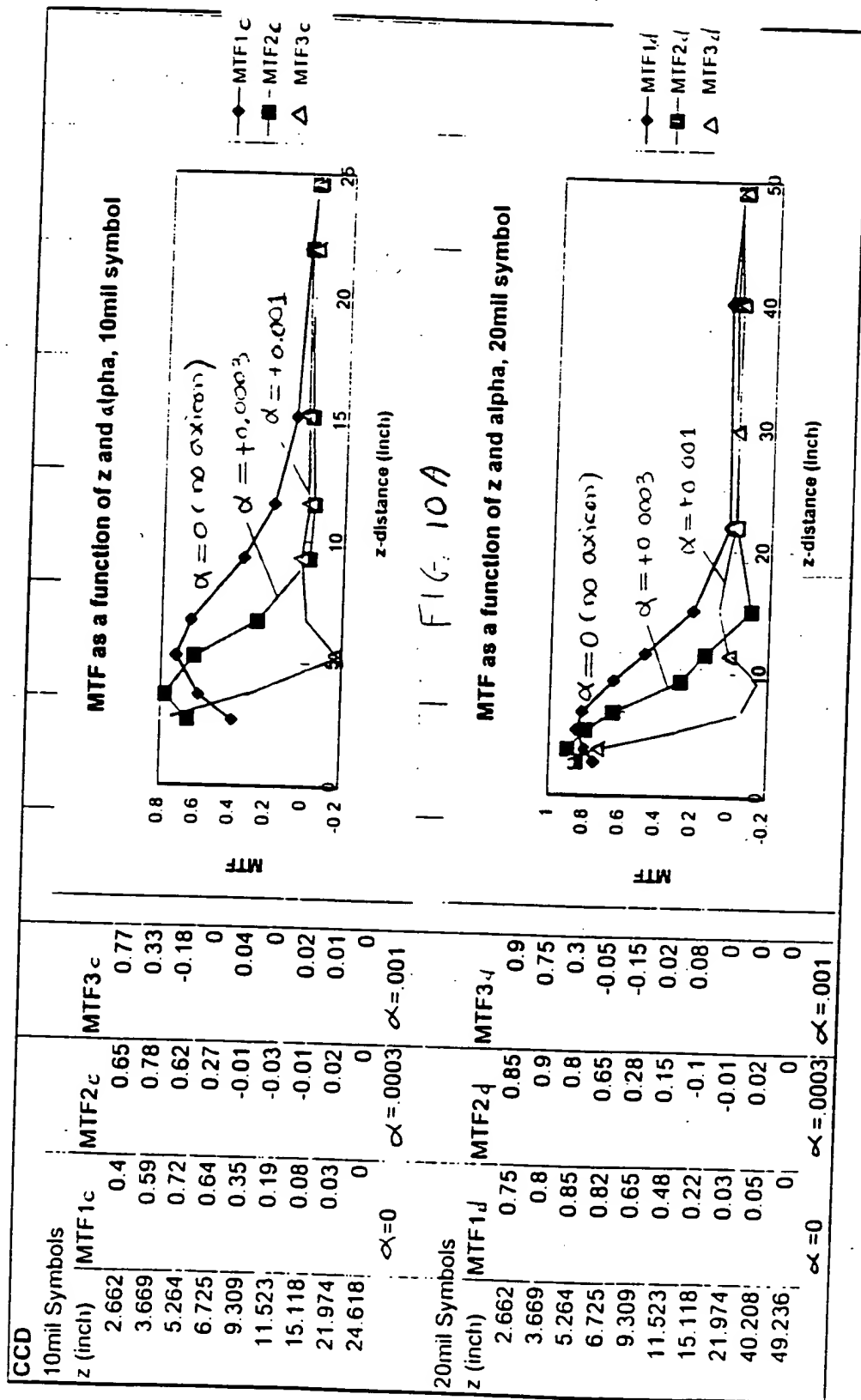


Fig. 9B



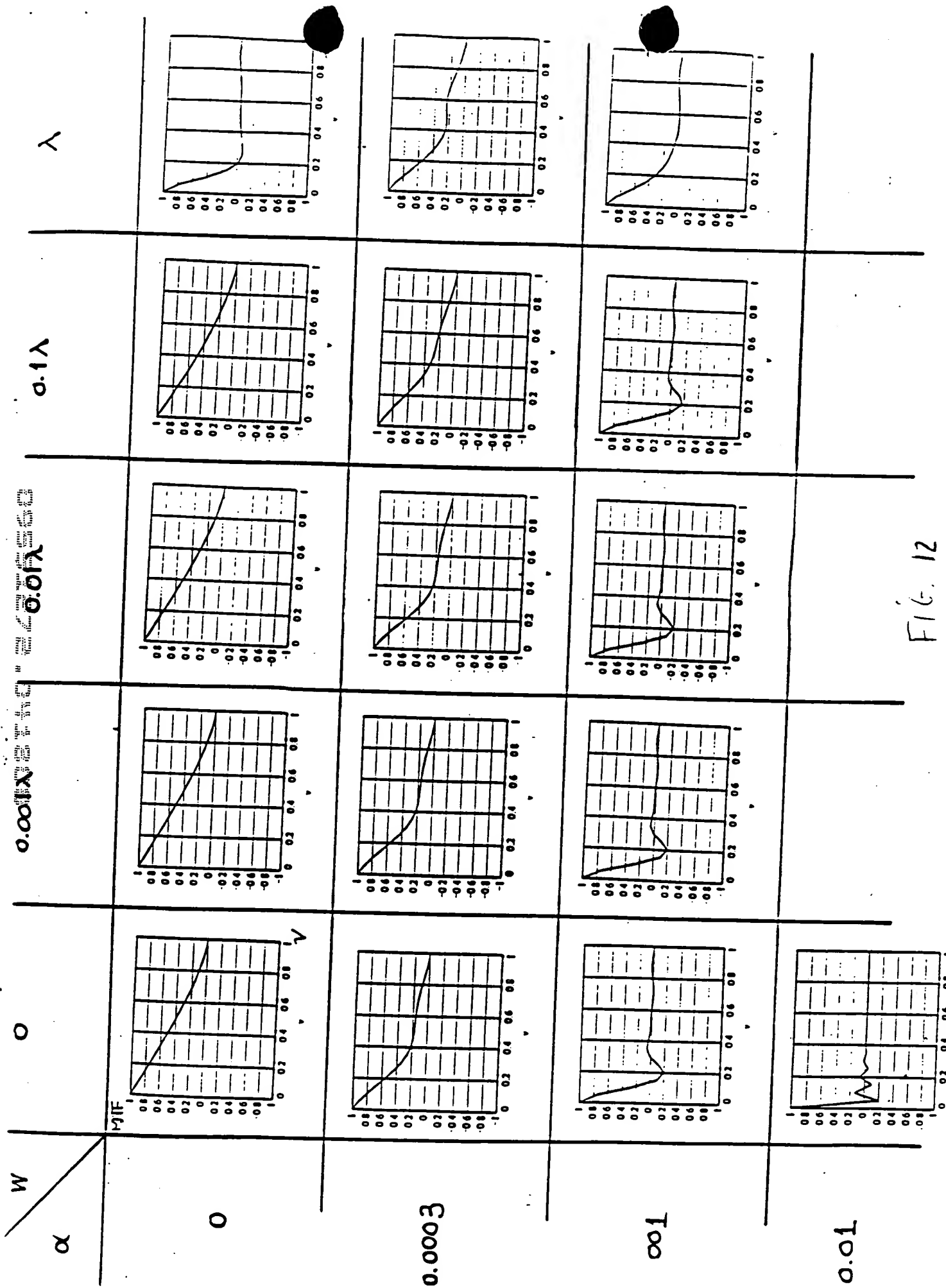


FIG. 12

0.001λ 0.01λ 0.1λ λ

0

W

α

0

-0.0003

-0.001

-0.01

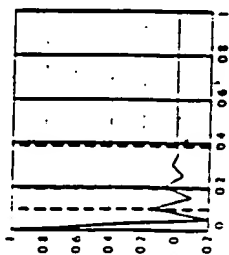
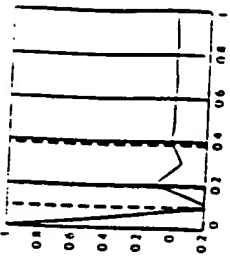
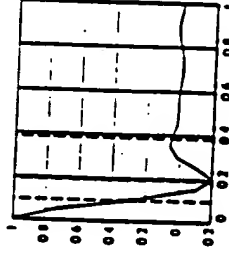
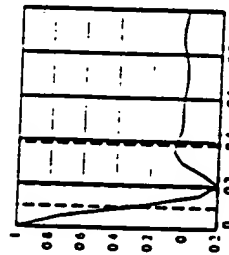
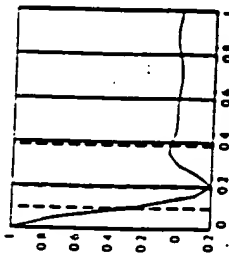
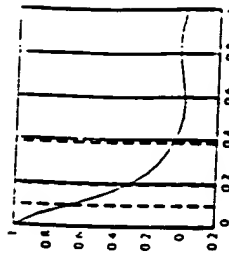
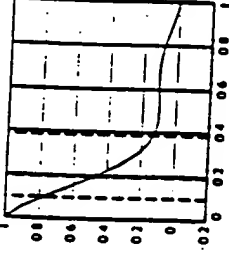
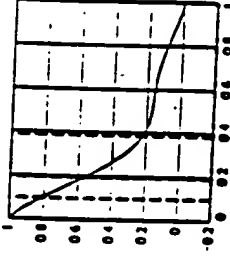
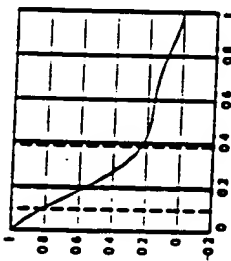
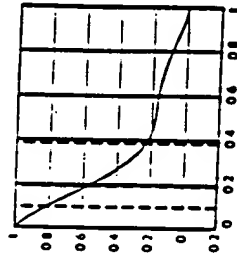
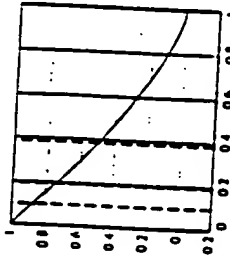
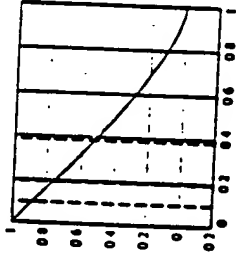
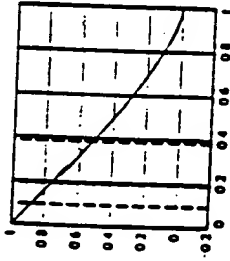
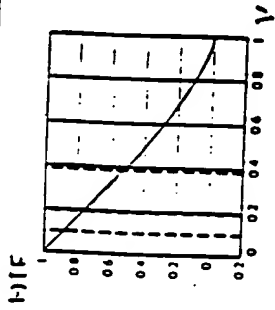


FIG. 13

